

Table A-12. National Air Quality Trends by Monitoring Location, 1981–2000

Statistic	# of Sites	Units	Location	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Carbon Monoxide													
2nd Max. 8-hr.	4	ppm	Rural	4.7	4.9	3.8	3.3	4.1	3.8	4.5	3.8	3.5	3.2
2nd Max. 8-hr.	136	ppm	Suburban	8.0	7.8	7.5	7.5	7.3	6.6	6.6	6.4	6.1	6.1
2nd Max. 8-hr.	178	ppm	Urban	9.1	8.8	8.6	8.3	8.2	7.5	7.6	7.0	6.8	6.6
Lead													
Max. Qtr.	10	µg/m³	Rural	1.12	0.98	0.94	1.03	0.37	0.48	0.29	0.25	0.24	0.17
Max. Qtr.	107	µg/m³	Suburban	0.57	0.52	0.45	0.43	0.30	0.19	0.14	0.12	0.10	0.09
Max. Qtr.	106	µg/m³	Urban	0.54	0.60	0.44	0.41	0.26	0.15	0.11	0.09	0.08	0.06
Nitrogen Dioxide													
Arith. Mean	22	ppm	Rural	0.009	0.008	0.008	0.008	0.008	0.009	0.009	0.008	0.008	0.008
Arith. Mean	81	ppm	Suburban	0.025	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.023
Arith. Mean	64	ppm	Urban	0.028	0.027	0.027	0.028	0.028	0.028	0.028	0.028	0.027	0.026
Ozone													
2nd Max. 1-hr.	127	ppm	Rural	0.117	0.114	0.126	0.117	0.115	0.112	0.117	0.129	0.110	0.111
2nd Max. 1-hr.	229	ppm	Suburban	0.131	0.130	0.142	0.128	0.127	0.122	0.129	0.141	0.119	0.116
2nd Max. 1-hr.	105	ppm	Urban	0.128	0.126	0.140	0.127	0.123	0.119	0.126	0.134	0.116	0.112
4th Max. 8-hr.	127	ppm	Rural	0.089	0.087	0.096	0.089	0.089	0.087	0.091	0.102	0.086	0.087
4th Max. 8-hr.	227	ppm	Suburban	0.093	0.093	0.102	0.092	0.093	0.090	0.095	0.105	0.088	0.086
4th Max. 8-hr.	104	ppm	Urban	0.090	0.086	0.098	0.091	0.090	0.086	0.091	0.098	0.086	0.082
PM₁₀													
Wtd. Arith. Mean	—	µg/m³	Rural	—	—	—	—	—	—	—	—	—	—
Wtd. Arith. Mean	—	µg/m³	Suburban	—	—	—	—	—	—	—	—	—	—
Wtd. Arith. Mean	—	µg/m³	Urban	—	—	—	—	—	—	—	—	—	—
Sulfur Dioxide													
Arith. Mean	120	ppm	Rural	0.0083	0.0076	0.0075	0.0079	0.0076	0.0075	0.0075	0.0075	0.0073	0.0070
Arith. Mean	187	ppm	Suburban	0.0102	0.0096	0.0094	0.0098	0.0094	0.0090	0.0086	0.0088	0.0084	0.0079
Arith. Mean	142	ppm	Urban	0.0118	0.0111	0.0106	0.0106	0.0098	0.0098	0.0095	0.0098	0.0096	0.0088

* PM₁₀ trend data is not available for this 10-year period.

Table A-12. National Air Quality Trends by Monitoring Location, 1991–2000

Statistic	# of Sites	Units	Location	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Carbon Monoxide													
2nd Max. 8-hr.	13	ppm	Rural	2.3	2.3	2.0	2.2	2.2	1.9	1.7	1.7	1.6	1.6
2nd Max. 8-hr.	153	ppm	Suburban	5.4	5.1	4.9	5.1	4.4	4.1	4.0	3.8	3.7	3.4
2nd Max. 8-hr.	217	ppm	Urban	6.0	5.6	5.2	5.4	4.9	4.6	4.3	4.0	3.9	3.5
Lead													
Max. Qtr.	4	µg/m³	Rural	0.03	0.03	0.04	0.04	0.11	0.03	0.02	0.04	0.03	0.04
Max. Qtr.	58	µg/m³	Suburban	0.07	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04
Max. Qtr.	63	µg/m³	Urban	0.09	0.07	0.07	0.06	0.05	0.05	0.05	0.04	0.04	0.04
Nitrogen Dioxide													
Arith. Mean	39	ppm	Rural	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.008	0.009	0.008
Arith. Mean	105	ppm	Suburban	0.020	0.020	0.019	0.020	0.020	0.019	0.018	0.018	0.019	0.018
Arith. Mean	87	ppm	Urban	0.023	0.023	0.023	0.024	0.023	0.022	0.022	0.022	0.022	0.021
Ozone													
2nd Max. 1-hr.	259	ppm	Rural	0.105	0.101	0.103	0.102	0.107	0.102	0.101	0.108	0.105	0.099
2nd Max. 1-hr.	332	ppm	Suburban	0.116	0.108	0.111	0.110	0.115	0.107	0.108	0.113	0.110	0.103
2nd Max. 1-hr.	127	ppm	Urban	0.110	0.106	0.105	0.106	0.110	0.106	0.102	0.105	0.104	0.097
4th Max. 8-hr.	263	ppm	Rural	0.082	0.080	0.081	0.081	0.085	0.082	0.082	0.086	0.086	0.080
4th Max. 8-hr.	332	ppm	Suburban	0.088	0.082	0.084	0.085	0.090	0.084	0.084	0.089	0.087	0.081
4th Max. 8-hr.	126	ppm	Urban	0.082	0.079	0.079	0.080	0.084	0.081	0.079	0.082	0.081	0.075
PM₁₀													
Wtd. Arith. Mean	140	µg/m³	Rural	24.3	22.8	22.0	21.9	20.3	20.3	20.1	19.7	20.4	20.3
Wtd. Arith. Mean	353	µg/m³	Suburban	30.0	28.0	27.2	27.1	26.0	24.8	24.8	24.5	24.9	24.4
Wtd. Arith. Mean	373	µg/m³	Urban	30.9	28.5	27.8	27.6	26.1	25.4	25.1	24.9	24.9	24.7
Sulfur Dioxide													
Arith. Mean	119	ppm	Rural	0.0068	0.0065	0.0067	0.0063	0.0053	0.0050	0.0048	0.0047	0.0045	0.0044
Arith. Mean	197	ppm	Suburban	0.0087	0.0081	0.0079	0.0076	0.0059	0.0060	0.0059	0.0059	0.0058	0.0056
Arith. Mean	131	ppm	Urban	0.0087	0.0079	0.0076	0.0076	0.0060	0.0058	0.0057	0.0056	0.0055	0.0052